

# VISUAL PATTERN STIMULATOR FOR VEP and PERG WITH DLP PROJECTOR TYPE **BM1610DLP**

The most widely used system to present a stimulus pattern is the reversal pattern that consists in presenting the light and dark elements of the pattern, bars or chess, so that alternately reversed each other's position (reversal), however without modifying the average luminance, without which the eye receives any flash.

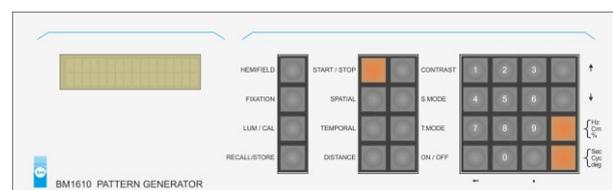


The pattern stimulator is ideal for generating structured stimuli such as vertical bars, horizontal, check board.

This type of stimulation can be obtained by numerous techniques; the most practical and versatile is the one that uses a system consisting of an electronic generator connected to a display system which in this case is a LED DLP projector.

The system is composed of:

- BM1610 module
- LED DLP projector
- table with electric adjustment
- chin patient
- projection screen with anti-reflective treatment
- safety transformer for the supply of electrical components



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DEALER:



## Technical specifications

### BM1610 Pattern Generator

Spatial functions	Full field, square bars, sinusoidal bars, checker, hemi-field, masking
Temporal modulation	On set/off set, square, sinusoidal, drifting
Resolution	1280x1024 @ 75 Hz.
Contrast	da 1% a 100% (theoretical)
Video output	VGA monochromatic
Trigger	Latency compensated TTL positive or negative on period or reversal
Programmability	Manual via keypad, from PC via Rs232 (software supplied)
Dimensions	8,6 cm H x 26,4 cm W x 29,1 cm D - weight 2,5 Kg.
Power supply	115Vac 60 Hz / 230 Vac 50 Hz, 60 W

### Projection System

Technology	Single DLP chip LED projector with no color wheel
Diagonal screen size	21" (53 cm)
Patient distance	from 60cm. to 150cm.
Horizontal Visual field	from 17 degrees (@150cm.) to 40 degrees (@60cm.)
Spatial Amplitude (1 cycle)	from 1 to 430 mm.
Mean Luminance	from 50 to 150 cd/m <sup>2</sup>
Temporal presentation	All pixels on the DMD update simultaneously with no scanning
Dimensions	3,9cm H x 10,5 cm W x 10,6 cm D - weight 380 gr.
Power supply	100-240V, 50-60 Hz, 65W

### Electric adjustment professional table with center column

Table dimensions	50x90 cm
Base dimensions	46x62 cm
Hight	67-83 cm
Weight	35 Kg
Carrying capacity	120 Kg
Power supply	220Vac, 50-60Hz, 50W